

Materials List for

# Super-Resolution Imaging to Study Co-Localization of Proteins and Synaptic Markers in Primary Neurons

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URL: <https://www.jove.com/video/61434>

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## Materials

Name	Company	Catalog Number	Comments
0.4% Trypan blue solution	Thermo Fisher Scientific	15250061	Chemical
70 µm filter	Corning	352350	Equipment
Alexa	Thermo Fisher Scientific	-	Antibody
Antibody SENP1	Santa Cruz	sc-271360	Antibody
B27 Supplement	Life Technologies	17504044	Chemical
Bovine serum albumin	Merck	5470	Chemical
CaCl <sub>2</sub>	Merck Life Science	21115	Chemical
Chambered coverslips	Ibidi	80826	Equipment
DyLight	Thermo Fisher Scientific	-	Antibody
FBS (Hyclone)	GIBCO	SH3007002 (CHA1111L)	Serum
FluoSpheres carboxylate-modified microspheres, 0.1 µm, yellow-green fluorescent	Thermo Fisher Scientific	F8803	Equipment
Glucose	Merck Life Science	G8769	Chemical
Glutamax	GIBCO	35050061	Chemical
HEPES	Merck Life Science	H3537	Chemical
L-Cystein	Merck Life Science	C6852-25g	Chemical
MAP2	Merck	AB15452	Antibody
MEM	Life Technologies	21575022	Medium
MgCl	Merck Life Science	M8266	Chemical
NaOH	VWR International	1,091,371,000	Chemical
Neurobasal A	Life Technologies	10888022	Medium
N-SIM Super Resolution Microscope	Nikon	-	Instrument
Papain	Merck Life Science	P-3125	Chemical
paraformaldehyde	Thermo Fisher Scientific	28908	Chemical
Pen/Strep 10x	Life Technologies	15140122	Chemical
phosphate-buffered saline	Gibco	10010023	Chemical
Poly-L lysine	Sigma	P2636	Chemical
ProLong Diamond Glass Antifade Mountant	Thermo Fisher Scientific	P36970	Chemical
PSD95	NeuroMab	K28/43	Antibody
Round coverglass	Thermo	12052712	Equipment
SUMO1	Abcam	ab32058	Antibody

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Synaptophysin	Merck	S5768	Antibody
Triton X-100	Merck	T8787	Chemical
Trypsin inhibitor	Merck Life Science	T9003-500MG	Chemical